

Toi*KE Oi*KE

The Official Newspaper of the University of Toronto Engineering Society, Est. 1906.

Volume 88, Number 3

Tuesday, November 2, 1993.

Cost: PRICELESS!

DON CHERRY SURPRISE VICTOR OF FEDERAL ELECTIONS

New PM says he owes it all to
"the boys from Saskatchewan"

By: David Vendramini
GEO 9T3+1

In a surprise result Canada has a new P.M.

Write-in candidate Don Cherry, who holds no official affiliation with any federal party, won the election by an astounding 69% of all ballots cast.

"I knew those good old Saskatchewan boys would get me in!", an ecstatic P.M. Cherry said upon election.

His political agenda includes a surtax to be placed upon all Swedish and Russian hockey players, a law to make the use of helmets illegal in all activities, and a complete abolition of our Medi-

care system. "If you don't like it, don't get sick." was his response to critics.

The new first lady was a little less thrilled at the result. "I'll need a whole bottle of Excedrin now that he'll be yapping away on TV, radio, newspaper, ..."

When questioned about his environmental concerns, the Prime Minister aired his unique views. "Rainforests? Who cares? We need hockey sticks, don't we? And while I'm at it, those acid-lake-things can be iced over for year-round hockey rinks."

On education, the new P.M. just grinned and said "Skule™ rules!"

Although he has little experience in the political forum, Don Cherry is quite confident in his ability to be a competent leader of the country. "This isn't rocket science! Blue could do this!" he said, referring to the complaints of the

previous P.M. that Canada was a difficult country to govern.

Kim Campbell was still in shock from the result. She lost her own riding to P.M. Cherry, and was reported to have muttered something about a KC-shaped swimming pool for 24 Sussex that will be put on hold.

Liberal Leader Jean Chretien could not be reached for comment. He was burying himself in a bottle of scotch.

Around Maple Leaf Gardens, it seemed like New Year's Eve. A crowd congregated outside after the hockey game and offered up a "three cheers for Cherry" and proceeded down to Peter St. for an election wrap-up party at Don Cherry's Grapevine. Comments such as "Don is cool!", "Right on!" and "Where are my teeth?" showed a general acceptance with the new P.M.

Federal elections coincided with SportsCaster of the Year elections. This would account for Spike Gallagher placing above Audrey McLaughlin and the NDP.



CANADA'S NEW POLITICAL PARTY: THE NATURAL FLAW PARTY

ad nosem Spokesknobs:
Dr. Gerard Torenvliet (Ph.D.,
Discombobulation),
Dr. Ilan Kelman (Senior Kindergarten,
Kramfleresque Diplomacy)
Dr. Ashok Soni (h.D.P., Dyslexia)
[Plus a token, as-yet-unnamed
grassroots member]
As trans-Universally Acclaimed Ambassadors Of Good Conscience

PRESENT:

The Natural Flaw Party

The Canadian political system is presently suffering from the possession of too many misguided and misaligned parties. Voters are lost in a sea of politicians who are too left wing or too right wing, or too winged altogether. Now, more than ever, the Canadian public must vote for the *Natural Flaw Party*.

We're ugly. We're stupid. And we LOVE polyester. We are the *Natural Flaw Party*. You see, nowadays it seems as if every political party is boasting about how they will solve all of Canada's problems with simple, elegant solutions. This is a 'bad, and you and I know it. So, we boldly present the platform of the *Natural Flaw Party*.

1. Pursuant to our free motto, Flaws will abound in our Canada: Every other political party promises the world, and then what do they produce? You need a shovel to even think of entertaining that question. It's all lies. Lies, I tell you. LIES! LIES! LIES! We won't lie. When you hear us lying, we're actually telling the truth. For once, a principled party -- it's like a blast of fresh, spring air.

2. Forget the deficit, we'll make all money in Canada disappear: Common, pedestrian, mundane parties promise to reduce, or even eradicate

the deficit and the debt. "Forget it!", you all remark -- so, we will. If you want money, don't come to us, because, hey, we'll only hit the big time once.

3. Conflam the gorkty uffum vidawam: You got it. And *The Mutual Flaw Barney* will conflam like no party has conflamed before. You want vidawams? We've got vidawams. Our policy brings multiple vidawams to every household.

4. Justice, you can have it your way, right away: The *Neural Flaw Pansies* specialize in loopholes and free justice. Is there something that you want to slip through the justice system quickly? Under a *Neutral Flaw* government, a quick twenty quid is your key to success. You name the justice, we'll name the price.

6. NAFTD: The Naturally Assisted Financial Trade Discombobulator -- are you suffering from Brobdingagian

Knobs? Call expert Justin Bowler, and he

will naturally assist your financial trade discombobulation -- only with the *Nautical Flaw Priority*. Just vote for us.

9T7. Graduate the Spokesknobs: What kind of a political party could we be if there weren't something in it for us? We want marks. Marks, we say. Lots of big, unblemished marks for the executive of the *Markural Flaw Marky*.

© Happy Mathematica™ For Everyone: Since the creators of Happy Mathematica™ are the spokesknobs of the *Neutered Flaw Tarp*, we plan to make every Canadian purchase this awesome, powerful, and useful tool. This revenue will eradicate our personal accumulated debts, so in four years we will be able to move to Jamaica (with our kneecaps sufficiently intact).

DATES TO REMEMBER:

November 5: Last day to drop fall term courses without academic penalty. Also last day to drop to part-time studies without academic penalty.

November 12: Last day for withdrawal from fall term courses without academic penalty.

December 3: Last day of lectures in the fall term.

December 8 till December 21: EXAMS!!

January 4: Classes Begin!

January 14: Last day to add or substitute courses for the Spring Term. Also last day to transfer to part-time studies

February 14: READING WEEK!

ENGI-NEWS

EVERYTHING YOU ALWAYS WANTED TO KNOW ABOUT WHAT'S REALLY GOING ON, BUT ARE TOO LAZY TO ASK

ECECLUB

Ed Lovrek - Elec Club Punk
Sam Herzallah - ELEC 9T4+P
Alex Grbic - COMP 9T4

We hope you're all having a good year so far. We'd just like to tell you about some of the electrical and computer club events going on. Our annual awards dinner/dance is set for Saturday Nov. 13 at the Polish Cultural Centre. We would like to point out that ours is the most economically priced dinner of all the divisional club dinners. No other club is offering tickets at \$18 a piece or \$35 per couple. And every table gets a bottle of wine to boot. Not only this, but our location is about as central as it gets; its only a short walk from campus. We know that you are just humble students with little spending money so we just want as many of you as possible to come out. If you are a frosh reading this, then we are especially talking to you. Frosh rarely come to this event but we encourage you to come and get acquainted with your fellow electrical and computer students and your future profs. Remember, the more friend you make now, the easier your upper years will be and this is the perfect opportunity for this. And, of course, you can't beat the price.

In addition we are currently starting up our annual elec/comp squash ladder. If you're a squash player (or not) come on and sign up. The entry fee is \$5 which goes towards a prize for winners at the end of the year. You can sign up on the sheet on our office door (Rm. SFB640). Everyone is welcome.

Finally, a reminder to all you third year elects and comps. The annual 3rd field trip to Ottawa is coming up on the first week back after the Christmas break. I don't know what you've heard about previous trips (if anything) but just note that we stay in Hull (nuff said). You'll never regret that you went and you'll really miss out if you don't go.

NY CLUB

Ana Brito - NY Nuke 9T4

Once again it is time for the annual Engineering Science Dinner Dance (BUY A TICKET). This year's dinner-dance will be held at the Old Mill (BUY ANOTHER TICKET). The dinner-dance is the main social event of the

year for NY. It's a lot of fun!!! Tickets are on sale now, and if you have any questions, just drop by our common-room (GB147).

The NY Club has come up with an INCREDIBLE T-shirt design for NY's of all kinds (NUKES, AEROS,...) Including the most abundant kind: X-NY (X says it all). Drop by our common-room, talk to me or your class-reps. X-NY's interested? Leave a message in the NY club mail box at ENG. SOC.

And coming up...SMOKER part III. Thursday November 25th, 1993 at 4:00pm in the common-room. Come out for some hot pizza, cold BEVERages and good tunes. Everybody is welcome!

P.S.: For those NY's or X-NY's 9T4 (or 9T3+1, or 9T2+2, or...5T6) who had IVEY, keep your eyes opened for the commemorative NY Donald G. Ivey generation T-shirt!

IND CLUB

John de Guzman
Roy Sarwarka

Calling all Industrials!! Where have you all been hiding?

It's not too late to come out and get involved in the Club. The Industrial Club Dinner / Dance is on Saturday, November 20 at the Old Mill. Tickets are \$30.00 and can be bought from your Industrial Club class rep. If you have any questions, want to help, or need tickets, then drop us a line in the Industrial Club box in Eng Soc. Hope to see more of you at the events.

Watch out for posters indicating when and where smokers are taking place.

CHEM CLUB

November 26, 1993

The Annual Chem Club Dinner will be held at the Primrose Hotel and tickets are only \$25.00. It promises to be a really great even this year, so don't miss out. Get your tickets now, and have a great time!

BIO MED ENG

The Biomedical Engineering Student Association is presenting IBME Day (Institute of Biomedical Engineering Day) on Tuesday, November 16 at 5:00 P.M. in the Rosebrugh building, Rm 412. This is an opportunity to learn about the discipline of biomedical engineering and the active areas of research at the University of Toronto. Upper year science and engineering students considering graduate studies are especially encouraged to attend. There will be a brief presentation at 5:00 P.M. followed by informal discussion with professors and current students at the Institute. There will also be the opportunity to visit the Institute's laboratories and facilities. Free pizza and beverages will be served.

CIV CLUB

Civil Engineering Clothing Sale
\$18.00 Civil Engineering Baseball Hats
\$15.00 Civil Engineering T-Shirts

Watch for upcoming clothing display outside GB138

Money raised from sales will go towards Civils representation at the Great Northern Concrete Toboggan Race in Edmonton, Alberta.

Civil Engineering Dinner
Saturday November 6 1993 at Antica Roma Banquet Hall

Get tickets at GB138 for \$38.00. This includes a 4 course Italian meal and semi-open bar.

All Civil students, please come out and support this annual event. It is an excellent opportunity to meet students from all years.

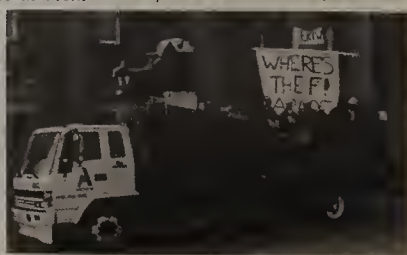
QUEST OF THE DRAGONSHIP

It was a bright and clear morning that greeted the intrepid adventurers who embarked upon the Skule™ Dragonship in a most glorious quest. Their goal, to find the Great Homecoming Parade, which had been lost that very year. The crew consisted of the mighty Blue and Gold Committee, persistent warriors armed with boundless Skule™ spirit. Joining them were the fearless bards of Skule™, the Lady Godiva Memorial Band. Their banner raised upon the mast, and the sail at full draw, the Dragonship left Port Sandford Fleming, and embarked upon its quest for the Great Parade.

An hour after highsun found the mighty vessel upon the Sea of Campus, where the crew encountered an island known to the natives as Front Campus. Here they were attacked by a vicious barbarian horde, bent on seizing the Dragonship and all the spoils it contained. Such was not to be. The brave and stalwart crew soundly trounced the foe, and to show their power, fired a mighty shot from the Great Cannon of Skule™. Having proven their mas-

tery of the Isle of Front Campus, the Dragonship continued on its quest for the Great Parade.

The next landfall for the Dragonship was the mysterious land of SAC. It seemed that the natives of SAC were having a great banquet in honour of the U of T Day festival. The crew, having built an appetite from the combat at the Isle of Front Campus gladly partook of the feast. Upon wandering among the natives, it was learned that the natives of SAC were responsible for the tradition of the Great Parade. We questioned them as to where it was, and how we could reach it, and the answer was horrifying! The Great Parade was no more! Reeling from shock and the realization that their quest had been in vain, the despondent crew once again took up their oars. However, it was not



Please see DRAGON on page 9

ENG-SOC STUFF

EXECUTIVE COUNCIL MEETING

Monday, December 6, 1993.
Room GB-202 from 6:00 to 8:00 pm

FULL COUNCIL MEETING

Monday, November 15, 1993.
Room SF1105 from 6:00 to 8:00 pm

ReproMed Ltd.

Is seeking healthy males of non-minority and minority ethnic groups to participate in an ongoing study on evaluation of factors influencing sperm cryopreservation and therapeutic donor insemination.

those interested please call:

537-6895

Project Magazine JUST THE FACTS

Lillian Kulhanek, ELEC 9T4+1
Regional Editor, U of T

Project Magazine is the only national magazine produced for and by engineering students. It is your magazine, its goal is to provide engineering students and societies with information and a means to express their opinions, etc. This bilingual publication is produced three times a year and 20 000 copies are distributed free of charge in the engineering faculties across Canada. Production and distribution costs are entirely covered by the sale of the advertisement space in the magazine.

PROJECT MAGAZINE CELEBRATES ITS TENTH YEAR

Following the adoption of a resolution at CCES 84, Project Magazine was founded in 1984 by the students at Queen's University, where it was produced until 1988. At that time McMaster University took over the responsibility of publishing the magazine. Since January 1992, five issues have been produced at Ecole Polytechnique de Montreal. Bids for Project Magazine will take place at CCES 95 and the magazine will switch locations in January 1995.

UPCOMING ISSUES

November '93

Theme: Engineering and Entrepreneurship
Article submission deadline: Any day now!!!

Special CCES 26 Issue
February '94

Theme: Ingenuity, Engineering in the 21st Century
Article submission deadline: January 9th, 1994

March '94

Theme: to be determined (send us your suggestions)
Article submission deadline: January 31st, 1994

Women are the Majority in CHEM 9T7

By: Ilan Kelman, Eng. Sci. 9T6

For the first time in history, a department in our very own Skule™ has a majority of women: as of October 15, 1993 the CHEM ENG class of 9T7 is 51.136% (45 out of 88) female. Compared with the 538 women out of 2213 full-time undergraduate Engineers, this year's CHEM ENG Frosh are continuing the tradition of attracting more females than the other programs.

Barbara McCann (Skule™'s Registrar) does not believe that 9T7 represents a significant trend, even though this year's stats dwarf the 31.9% women in the upper years of

CHEM ENG. "The actual number of women in chemical engineering is not the highest that it has ever been, but the first year class represents the largest proportion of female students ever in an engineering department at the University of Toronto", she said. She also compared it to the 9T3 IND ENG class, in which 40% were female in their Frosh year (IND ENG is currently 28.5% female).

Although there are numerous programs aimed at various age groups which encourage females to enter engineering and science, it seems unlikely that they can account for the sudden increase. According to Ms. McCann, the success of these pro-

grams have never been formally measured, but "it's something which we should be doing". "To have a gender balance is exciting," she continued, "but we are not excluding men to make this happen; it is most likely a result of more women accepting our offers."

CHEM ENG Frosh Winnie Tang "actually noticed" the large number of females amongst her CHEM classmates. Her explanation for the popularity of CHEM is, "We still seem to avoid the most mechanically inclined options." Ms. McCann agrees: "It's going to take time...the challenge has always been explaining what engineering is all about."

ENG-SOC TO ALLOCATE FUNDS FOR LIBRARY LIGHTING UPGRADE

by Henry N. Pedro CHEM 9T4+P

During its annual general meeting of the members on October 18, 1993, a resolution was passed to allocate money from the student temporary special levy fund. The funds, which may total up to \$27,000 will go towards upgrading the lighting system in the Engineering Library.

"The upgrade is badly needed," said David Vendramini, president of the Engineering Society, "In some areas, the lighting doesn't even pass legal building codes for minimum candlepower for a library."

The Engineering Society and Facilities and Services are in the process of striking a deal to upgrade the lighting immediately. Facilities and Services must agree to fund the remainder of the job, and if the job is not

started immediately, the funds will be revoked.

As the TOIKE OIKE went to press, the upgrading had not started yet: the Engineering Society is currently in the process of gathering quotations for the job.

The total sum of the levy fund allocation will not be more than 10% of the total monies collected, up to \$27,000 according to Vendramini.

Total levy funds available this year sit below \$270,000.

Cannonball!!

Saturday, January 15, 1994
at The Boulevard Club.
Everyone is welcome!

Tickets go on sale on
November 8, 1993
at the Engineering Stores
and SUDS

APSC - FINAL EXAMINATION TIMETABLE - FALL 1993

D AER301P	DYNAMICS	FRI. DEC. 10, 1993	2:00 P.M.	AER301P	D
AER305P	FLUID MECHANICS	MON. DEC. 13, 1993	9:30 A.M.	AER305P	
X AER402P	ATMOSPHERIC FLIGHT	MON. DEC. 13, 1993	2:00 P.M.	AER402P	X
D AER410P	GASDYNAMICS	TUE. DEC. 21, 1993	2:00 P.M.	AER410P	D
APM291P	DIFF. EQUATIONS I	MON. DEC. 13, 1993	9:30 A.M.	APM288P	
APM291P	DIFF. EQUATIONS I	MON. DEC. 20, 1993	2:00 P.M.	APM291P	
APM386P	DIFF. EQUATIONS II	WED. DEC. 08, 1993	2:00 P.M.	APM388P	
D APS100P	COMPUT. FUNDAMENTALS	FRI. DEC. 17, 1993	2:00 P.M.	APS100P	D
APS103P	ENG. SOCIETY & ENVIR.	WED. DEC. 15, 1993	9:30 A.M.	APS103P	
D APS182P	EFFECTIVE TECH. WRIT.	WED. DEC. 15, 1993	2:00 P.M.	APS182P	D
X APS243P	ENVR. MARKETING & SALE	WED. DEC. 15, 1993	2:00 P.M.	APS243P	X
D APS202P	ENG. SOCIETY & ENV. II	WED. DEC. 15, 1993	2:00 P.M.	APS202P	
CHE112P	CHEMISTRY	FRI. DEC. 17, 1993	2:00 P.M.	CHE112P	
CHE150P	CHEMISTRY	FRI. DEC. 10, 1993	2:00 P.M.	CHE150P	
CHE200P	APPLIED CHEMISTRY I	FRI. DEC. 10, 1993	2:00 P.M.	CHE200P	
D CHE203P	APPLIED CHEMISTRY II	WED. DEC. 08, 1993	2:00 P.M.	CHE203P	D
C CHE209P	CHEMICAL PROCESSES	FRI. DEC. 10, 1993	2:00 P.M.	CHE209P	C
C CHE211P	FLUID MECHANICS	TUE. DEC. 21, 1993	9:30 A.M.	CHE211P	C
C CHE221P	CAL. & NUM. METHODS	MON. DEC. 13, 1993	2:00 P.M.	CHE221P	C
CHE311P	SEPARATION PROCESSES	TUE. DEC. 21, 1993	9:30 A.M.	CHE311P	
CHE321P	APP. DIFFERENT. EQUAT.	MON. DEC. 13, 1993	2:00 P.M.	CHE321P	
C CHE331P	THERMODYNAMICS II	THUR. DEC. 09, 1993	2:00 P.M.	CHE331P	C
C CHE332P	REACTION KINETICS	FRI. DEC. 17, 1993	9:30 A.M.	CHE332P	
C CHE360P	CHEM. PROC. MATERIALS	MON. DEC. 13, 1993	9:30 A.M.	CHE360P	
D CHE412P	ADV. REACTOR DESIGN	WED. DEC. 08, 1993	2:00 P.M.	CHE412P	D
CHE463P	POLYMER SCI. & ENG.	WED. DEC. 15, 1993	2:00 P.M.	CHE463P	
CHE464P	PULP & PAPER PROCESS	TUE. DEC. 14, 1993	2:00 P.M.	CHE464P	
CHE466P	BIOPROCESS ENGINEER.	MON. DEC. 20, 1993	2:00 P.M.	CHE466P	
D CHE468P	NUCLEAR ENGINEERING	FRI. DEC. 10, 1993	9:30 A.M.	CHE468P	D
CHE510P	PLASTICS & COMPOSITE	WED. DEC. 08, 1993	2:00 P.M.	CHE510P	
C CHE535P	RATE PROCESSES I	THUR. DEC. 16, 1993	2:00 P.M.	CHE535P	
C CHE553P	ELECTROCHEMISTRY	MON. DEC. 13, 1993	2:00 P.M.	CHE553P	C
CIV100P	APPLIED MECHANICS	FRI. DEC. 10, 1993	9:30 A.M.	CIV100P	
C CIV102P	STRUCT. & MATERIALS	MON. DEC. 20, 1993	9:30 A.M.	CIV102P	
C CIV120P	SOLID MECHANICS I	WED. DEC. 15, 1993	2:00 P.M.	CIV120P	C
CIV255P	SURVEYING	TUE. DEC. 14, 1993	9:30 A.M.	CIV255P	
CIV261P	ENGINEERING MATH. I	MON. DEC. 20, 1993	2:00 P.M.	CIV261P	
CIV275P	MECH. OF MATERIALS	WED. DEC. 15, 1993	9:30 A.M.	CIV275P	X
X CIV310P	STRUCTURAL ANALYSIS I	FRI. DEC. 17, 1993	9:30 A.M.	CIV310P	X
D CIV312P	STEEL & TIMBER DESIGN	MON. DEC. 20, 1993	2:00 P.M.	CIV312P	D
CIV321P	GEOMECHANICS	THUR. DEC. 09, 1993	2:00 P.M.	CIV321P	
X CIV331P	TRANSPORT I - DESIGN	WED. DEC. 15, 1993	2:00 P.M.	CIV331P	X
CIV350P	HYDRAULICS & HYDROLOGY	MON. DEC. 13, 1993	2:00 P.M.	CIV350P	
CIV368P	ENG. ECO. & DEC. MAKING	TUE. DEC. 21, 1993	2:00 P.M.	CIV368P	
D CIV416P	REINF. CONCRETE II	TUE. DEC. 14, 1993	2:00 P.M.	CIV416P	D
CIV420P	CONSTRUCTION ENG.	WED. DEC. 08, 1993	2:00 P.M.	CIV420P	
X CIV514P	CONCRETE CONSTRUCT.	FRI. DEC. 17, 1993	2:00 P.M.	CIV514P	X
X CIV519P	STRUCTURAL ANAL. II	TUE. DEC. 21, 1993	2:00 P.M.	CIV519P	X
CIV524P	ROCK MECHANICS	THUR. DEC. 16, 1993	9:30 A.M.	CIV524P	
D CIV531P	TRANSPORT III - PLANN	FRI. DEC. 17, 1993	9:30 A.M.	CIV531P	D
CIV540P	ENVIRON. ENG. III	MON. DEC. 20, 1993	2:00 P.M.	CIV540P	
X CIV549P	GROUNDWATER	TUE. DEC. 09, 1993	9:30 A.M.	CIV549P	X
C CIV550P	WATER RESOURCES ENG.	MON. DEC. 13, 1993	2:00 P.M.	CIV550P	
C CIV575P	BUILDING SCIENCE	FRI. DEC. 10, 1993	2:00 P.M.	CIV575P	
COM390P	ACCOUNTING	FRI. DEC. 17, 1993	9:30 A.M.	COM390P	
D CSC180P	COMPUTER PROGRAMMING	TUE. DEC. 14, 1993	9:30 A.M.	CSC180P	D

SKULE™GRAM

Barb McCann - Registrar

We would like to continue providing you with news and relevant information to your undergraduate program. We have decided to use the TOIKE OIKE as the vehicle to do just that. Please read the following information regarding exams, petitions, and photo-ID.

If you have two exams at the same time, you MUST report this to the Registrar's Office before December 3, so that special arrangements can be made. This also applies to students

who have conflicts with religious concerns. Please see the posting outside the Registrar's Office for Arts & Science exams.

If you do poorly on an exam due to illness, you can petition the Committee on Examinations no later than seven days after the exam. You must also submit a medical certificate which clearly states the nature of the illness, symptoms, etc. Petitions received after the deadline will not be considered.

Grade reports will be sent to the Departments on Jan. 19, 1994 (2nd 3rd 4th yrs) and on Jan. 19, 20 for 1st yrs. The deadline for second round petitions is exactly one week after grade reports are received. (either Jan 26 or 27) Same procedures apply at first round petitions.

You will be able to see the exam timetable on the ECF computers. Please see the file "ExamTimetable" in the /usr/copy directory. The seating list is in the file "ExamSeatingList" in the /usr/copy directory.

If you have lost your photo ID, replacements are available for \$6.00 from the Office of the Registrar, GB-157, on Tuesdays from 9:30am till 12:00 and Thursdays from 2:00pm till 4:00. Please do not come on the day of your exam, if at all possible!

ATTENTION

Fight crime on campus!
For the first time, personal alarms
are directly available to the
student body!

These alarms are the size of
a beeper and emit a 107 dB
high-pitched noise.

If you are interested, there will
be a demonstration of these
devices on Friday, Nov. 5, 1993
from 12:00 pm - 2:00 pm
in the SF Atrium.

For more information, contact
Sonia or Jenny at 978-6718.

FIGHT BACK!



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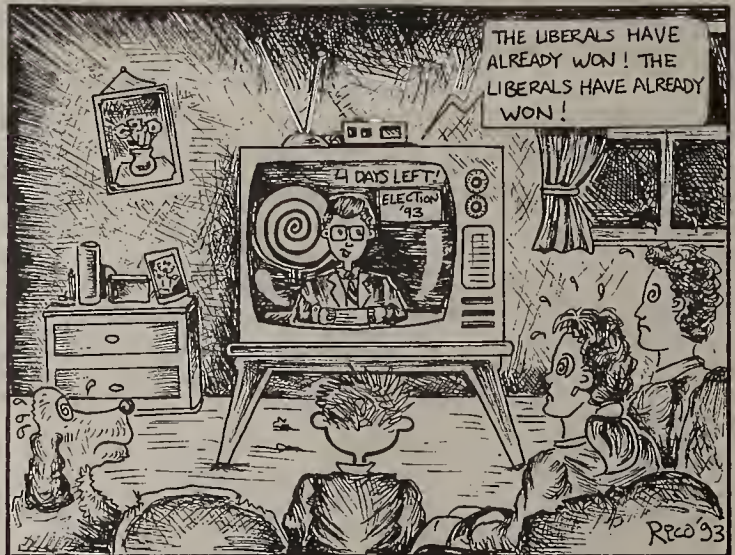
•INFORMATION•
The TOIKE OIKE is a monthly publication of the University of Toronto Engineering Society, and it is currently in its eighty-seventh year of publication. 10,000 copies are circulated monthly to all three U of T campuses, and copies are sent to Engineering Societies at various other Universities across Canada. Contributions can be dropped off at the TOIKE OIKE mailbox in the Engineering Society Offices, Located in the Basement of the Sandford Fleming Building, U of T. All submissions must be signed by the author. Subscription information is available by calling Julie Wilkinson at the University of Toronto Engineering Society at (416)978-2917. Advertising rates, production deadlines and other pertinent information can be obtained by contacting the TOIKE OIKE offices.

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The goal of the TOIKE OIKE is to entertain and inform the student body in general, and the Engineering Students at the University of Toronto in particular. All views expressed are those of the author, and do not represent those of the TOIKE OIKE or the U of T Engineering Society unless so indicated. May cause drowsiness: Do not operate a motor vehicle or heavy machinery while reading. Take on an empty stomach. Don't drink and drive. No purchase necessary. No money down, no interest for six full months, OAC.

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DOES MEDIA CONTROL YOUR LIFE, TOO?



The media sure is a powerful force.

I'm not just talking about a measly few student publications. That's just a drop in the bucket. I'm talking about the mass media at large. Radio, Television, Billboards. Hell, it's everywhere, and we can't escape.

Media has shaped the destiny of our society, and is still doing so as I write this editorial. That's not all.

When doctors in Sarajevo got frustrated that much needed medical supplies were simply not arriving, and their patients were dying, what did they do? They called in the media. So in they went. An army of reporters with an arsenal of cameras and tape recorders arrived. They videotaped a cute little Bosnian girl who was in desperate need of medical attention. Suddenly, out of nowhere, an airlift was waiting to take her to a state-of-the-art facility in Britain. Not to be outdone, Bill Clinton, and then Prime Minister Campbell decided they get in on the action, and arranged their own airlifts to ship these children out of danger to a real medical facility somewhere in North America. Hell, a whole town in Newfoundland got together and arranged their own airlift, too!

I'm not criticizing anyone here, and I think it's wonderful that the children's suffering was eased somewhat, but look what it took to get something done.

Powerful thing this mass media...

Although there is little proof, it has been said that the Kuwaitis sold the idea of going to war against Saddam Hussein to the Americans. It is on record that the Kuwaiti government bought millions of dollars worth of services from an American public relations firm several months before George Bush decided to flex his military muscle in the middle east. It seems that one of the major 'selling points' was that Iraqi soldiers were storming into Kuwaiti hospitals and destroying incubators with infants still in them, leaving them to die. At one point it was claimed that Iraqis destroyed every incubator in the hospital. Later, it was revealed that an Iraqi soldier did in fact enter a hospital, and did destroy an incubator. It is not mentioned that the Kuwaitis had plenty of incubators during the crisis. Where did they come from? Certainly, they couldn't have come from the U.S. at a time when the war was in full swing.

Now take the provincial elections. Who'd have thought that the NDP would actually form a majority government in Ontario. I sure didn't. Oh sure, there's

always the staunch NDP supporters that stand by their political party through thick and thin, but who'd have thought that the most business-oriented province in Canada would turn socialist.

Think back a few years to the elections...David Peterson called the election. One that the media said was unnecessary and expensive. They said "shame on you, Dave," and slapped him on the wrist. Then they went on to say that they figured the people of Ontario were tired of a liberal party in power. Mike Harris and his Tories were still relatively green by political standards. So the media conjectured that the NDP might win the election, and they steadily commented on how the NDP might win...the NDP might win. Sure enough they did. 'nuff said.

Wow, a Liberal majority in Canada...the first time on over ten years! Who'da thunk-it? Everyone should have.

Why? Because the media had a fix on Chretien ever since Kim Campbell made her first campaign faux-pas.

"Hey, Kim's not doing too well...there's a lot of bickering and in-fighting within the Conservatives." Meanwhile, they kept saying that, "hey, the Liberals look like they're going to win; Chretien is poised to win this election with a majority; the Conservatives might not even be the official opposition..."

Take a good look, folks...were you brain-washed along with the rest of them?

Truth is, Kim Campbell was the best person for the job, in my opinion. What Canada needs is not a politician. Politicians have already proven that they cannot run the country (or the province). Need Proof? Turner, Trudeau, Mulroney, Peterson, Rae. What Canada needs now is a non-politician in power. We need a manager. Can you do that Jean Chretien? I sure hope so, but I'm damn skeptical.

Take a good look at what the media does...they can bankrupt a company, deep-six a political party, start a revolution in a small country, and cause some pretty unlikely events (did you know that F.W. deClerk won the Nobel Peace Prize? Get real, folks! How many South Africans did he kill to get it?)

And then they'll convince you all that it was the people who demanded change from the government, and they got it. Go ahead and kick yourselves now. You all fell for it, didn't you...now you'll have to live with it.

ADS MANAGER WANTED

Applications Available in the
Engineering Society Office
Submission Deadline:
November 15, at 10:00 am

Jokes

TOIKE OIKE STAR TREK (TOS) DRINKING GAME!

Drink every time one of the following things happen...

- each time Kirk gets into the elevator, and an extra one if he verbally instructs the elevator instead of using the stupid control stick.
- each time anyone says "ENERGIZE!"
- each time Spock says "ILLOGICAL"
- each time Spock says "LOGICAL"
- whenever Bones says "Dammit, I'm a doctor not a _____"
- whenever Uhura says "Hailing frequencies open"
- whenever Scotty says "The engines canna tak' the strrein!" or "The warp engines canna handle the load!"
- whenever Kirk has his shirt forcibly removed
- every time "Captain!" is used as a single sentence
- every time Spock raises his eyebrow as a statement
- every time Spock says "Fascinating"
- every time Spock addresses the captain as "Jim"
- whenever Kirk calls the doctor "Bones"
- each time Kirk falls in love
- each time Kirk kisses someone
- each time Kirk drop-kicks someone
- whenever Kirk out-logics a computer
- whenever the camera tilts and every one falls out of his/her chair
- each time the number four shield is damaged or inoperative
- whenever Sulu does a countdown
- whenever you see as poorly fought fight
- whenever you see a styrofoam planet
- whenever Uhura puts on her ear phone
- each time Spock looks into his peep show machine
- whenever Checkov mispronounces something
- whenever you hear the phrase "Captain's log..." and twice if its supplemental
- every time an extra has spoken a line
- every time an extra is killed
- drink every time some one does...and twice if its Scotty

Engineers Green the Varshitty

-Ashok Soni Mech 9TX

There is an old addled publication which has been a source of garbage around the University of Toronto since 1880. Although they claim to be our official voice, they are really nothing more than a clique of simple minded, self-serving buffoons.

It can be shown (by cursory inspection) that the optimal solution for reducing the volume of waste which is directed towards landfills is to find ways of reusing existing waste products. The erudite denizens of Skule have taken up this worthy cause and present solutions on a discipline by discipline basis.

CIVIL

Use advanced origami principles to reuse these foul pages as structural members.

GEO

Propose to crumple this filthy rag in little balls. These can then be used to simulate and study rock mechanics.

MECH

Put forth the idea that this faux tabloid already has an alternate use as... artise diplomats.

INDUSTRIAL

Will endeavor to create aesthetic and functional beer coasters from the Varshitty. Taking into account all of the human factors.

ENG SCI

Plan to use the most esoteric flavors of mathematical analysis to create zucchinii shaped darts.

CHEM

Will employ highly advanced filters and endless titrations to eliminate the feces from the pages. This is in order to create another paper on the order of the Tolke.

ELEC

Pyromaniacal tendencies are to be used to create the Holy Smoke upon which their electronic circuits components rely on for operation.

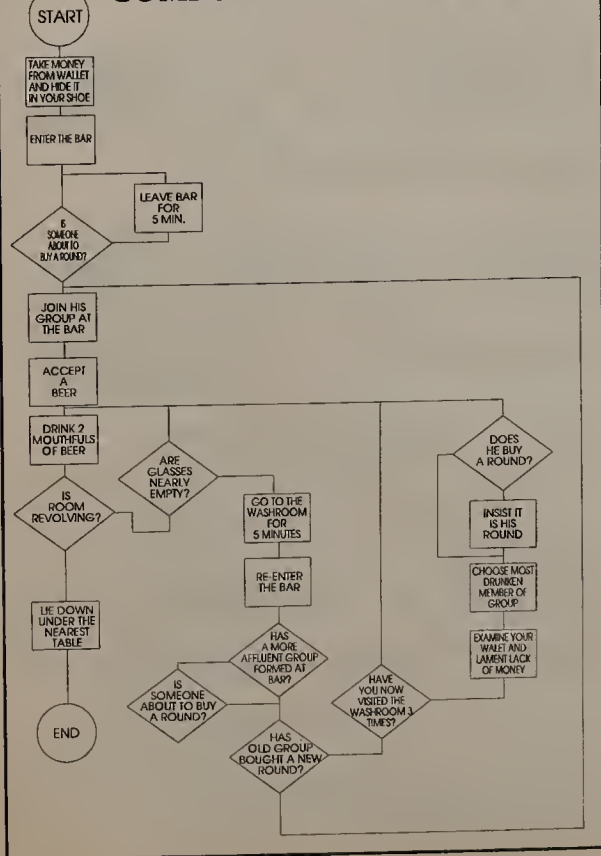
COMP

Ah, we shall use advanced algorithms to find the secret messages. There must be an intelligent idea encoded in all of this crap!

MMS

Scheme to transmogrify the lowly Varshitty into a useful substance. This would of course be composite compost?

COMPUTER ON A PUB CRAWL



The Party for Themselves, By Themselves...

The Natural Flaw Party

We're ugly. We're stupid.
And we love Polyester.

This is what we stand for:

- ☒ Forget the Deficit; we'll make all the money in Canada disappear!
- ☒ Flaws. Lot's of Flaws. Hey, it's in our name!
- ☒ Conflam the gorkty uffum vidawam.
- ☒ Justice, your way, right away.
- ☒ And lots of discombobulating.

The Natural Flaw Party: The unreal real choice for Canada. Conventional parties boast and don't deliver - we boast that we won't deliver. Our ideals are honorable, however, if we wish to succeed, we need your support. *Become a Natural Flaw Party Member today!*

Membership benefits include:

- ☒ Raising enough capital to rid the spokesknobs of their unsightly debts, thus allowing them to move to Jamaica for their imminent retirements.
- ☒ Non-stylish polyester leisure suits designed for discomfort and style for the non-discerning individual.

Natural Flaw Party Membership Application

☒ Yes! I want to become a member of the Natural Flaw Party! Enclosed is my \$0.25 membership fee plus my \$3254.56 voluntary membership fee. Please rush me all of my many non-existent benefits!

My Name is _____
My Address is _____
My City/Prov/Postal Code is: _____
My Bank Account Number is _____

Please make all cheques payable to the spokesknobs. Wire transfers from numbered Swiss bank accounts accepted only with authorization codes. Thank-you from the hearts of our bottoms

TOIKE OIKE STAR TREK (TNG) DRINKING GAME!

- Robert Kata, Mech 9T5+1

The "Star Trek Drinking Game" was originally devised to honour the STAR TREK TV series by toasting those wonderfully absurd moments that made the series truly memorable.

Now Star Trek: The Next Generation is proving to be a rich source of memorable moments, that also deserve to be similarly honoured.

Take a drink whenever:

- a credit appears on the screen after you think the show is well underway; twice if lots of dialogue has gone by; three times if it is after the first commercial break
- Picard refers to Wes as "the boy"
- you see a male in a miniskirt; twice if its on the Enterprise
- you hear an 'old' Star Trek noise...eg: red alert klaxon, bosun's whistle
- Tasha mentions a gang rape
- the tape is sped up to show Data operating at his faster than human speed
- Data makes use of his superhuman strength; twice if he is obviously throwing styrofoam rocks, machinery, etc...
- Troi catches herself about to name an emotion: "its just like...it's wonderful, sir!"; twice if she does actually name the emotion

- Data or Worf ask for a word definition
- Data corrects someone on their grammar
- Picard leaves the bridge during a crisis to go and visit Dr. Crusher
- Wesley gets an impish grin on his face
- Wesley creates another wonderful science project
- Wesley saves the ship; twice if nobody thanks him
- LaForge is used as a human tricorder
- Riker acts like Kirk
- Worf spoils for a fight
- Picard defends the honour of France
- Someone quotes Shakespeare; twice if it's Picard
- Picard is outranked by a woman
- Data learns a new colloquialism
- Data affects a particular human mannerism...eg: Sherlock Data
- Tasha decks someone
- Picard says "engage"; twice if he says "make it so"
- anyone addresses the Captain as Jean-Luc
- Beverly gets jealous at Picard seeing another woman
- someone gets preachy; twice if it's Picard rambling on about morals
- Riker is referred to as "Number One"
- Riker strikes the beaming pose
- anytime a crew member takes a drink, and twice if its outside Ten-Forward; three times if its Picard

Censorship Rampant On Communications Committee!

WltrSto and NΨ→9T5	likes
Censorship	Dean Charles.
a	
not	fine
Problem	soon.
Vandermini says, "	
	Next issue: Is Blatant Filler Overflowing The Toike?

Methods for Solving Calculus Integrals

Christy Miles Chem 9T6
Christine Gallagher Chem 9T6

Keener Method
Memorize front and back of E and P then instantaneously produce correct answer.

Back Row Method
Copy from Keener.

Artie Method
HuH!?!

T.A. Method
No me prejunten a mi, yo tampoco se como hacerlo.

Prof. Method
Writes down answer and says look up procedure in book.

Geo Method
See Artie.

Comp's Method
01101 011011 100110

HP Method
[SHIFT] EQN A

Atrium bum's Method
After this bridge game I'll copy the problem set I did last time around.

SUDS Method
EX 50.

Mice Method
Ask non existent BFC members in custody.

TEN FUNDAMENTAL QUESTIONS IN LIFE

by: Chris Mak IND 9T6

1. What if the whole world farted at once?

2(a) What happens if you fart and burp and hiccup at the same time?

(b) Will you implode?

(c) Where does all that air come from?

e. If your appendix does nothing, then why is it there? Why does it malfunction?

3. Why is it called taking a dump? Aren't you leaving one?

π. Why is it called "having" sex when you are clearly "doing" it?

4. Why does the water in the toilet always turn clockwise?

5. Why do you say your alarm clock "Went off" when it clearly "Went on"?

6. If a car phone rings in a empty parking lot does anyone hear it?

7. If HP's are supposed to make calculus easier for you then why does it take 6 months to figure out how to turn it on?

8. What rhymes with orange?

9(a) Is there a roller coaster safety association?

(b) If not? Why not?

10(a) Why do monkeys have no hair on their bum?

(b) Why do humans have hair on their bum?

If you have answers to the preceding or have more questions of your own that you have been trying to answer all your life send them in and we'll see what we can do.



Top ten great things about being a really, really dumb guy.

Gerard Torenvliet IND 9T6

10. Faculty cafeteria serves great clam chowder.
9. Never annoyed by request to "put that in layman's terms".
8. Being leader of the Reform Party is a swell job.
7. Fun bumper sticker: I'd rather be drooling.
6. Get to write stories for a great newspaper.
5. You r figure out who Polka-Roo reez.
4. The sense of accomplishment that comes from turning the microwave on.
3. How do they get the caramel inside a caramilk bar?
2. Wesley Crusher is my hero!
1. Get to feel superior to really, really, really dumb guys.

J. OE L. Caught In Big Drug Bust!

Walter Stoddard N7-9T5

Our very own boys and girls in blue were in rare form this past week, as they shut down several alleged drug "hot spots" here on campus. Often referred to as "mice", the University of Toronto Police showed no signs of this meek image. Like lightning they struck out at an unsuspecting party, with the appearance of a well practiced movie scene. One innocent by-stander had this to say:

"It was insane, man! The music was just starting to really jump, ya know? And then out of nowhere, boom! They kick in the front door! The flicking door's like on the floor! And then the cops start pouring in, man I mean it was like it was raining pigs!"



This is Joel...he will surely deny having anything to do with the scandal.

When asked if things got rough, our eye-witness started nodding vigorously.

"You bet, man! At first no one knows what to think, right? But then these pigs yell 'This is the police, no body move!' and all hell breaks loose. Man, it was trippy! This copper, right, he starts blowing caps all over the room. Blam, blam! And then, as if we weren't about ready to piss our pants, to show us how tough he is, he goes and plugs himself in the foot! Can you believe it? In his OWN FICKING FOOT! Man, they were spun!"

We have been told that thankfully no one else was injured in the fire fight. The end result of the daring raid was the arrest of a long wanted drug dealer. We had the opportunity to interview one of the officers involved in the bust:

"We get in there, O.K., and the place just reeks of smoke. You name it, it was in the air. Coke, pot, LSD and God knows what else. Then out of no where I hear these gun shots and my partner goes down holding his leg. We quickly get things under control again and then we see him. He's smoking up in the corner, without a care or a clue as to what's happening. A total vegetable! We immediately cuffed him and read him his rights, though if you ask me, this s.o.b. has the right to be shot and not much else!"

The police say the suspect has been positively identified as a leading drug lord, who has been operating out of U of T for years. The most shameful news of all is that this monster is one of our own. Of our own faculty, this well known figure has betrayed the trust and loyalty of the people who followed him. J. Oe Lantern, known to his friends as Jack, has finally revealed the true fiend that hid behind the glowing

smile. To add insult to injury, the Engineering pub was about to have a special celebration in Jack's honor. When asked what now, the pub manager replied:

"Cancel Halloween Suds? Are you fucking crazy!"

Halloween Suds took place on Friday the 29th of October, as scheduled.

The entirety of the Engineering Society was aghast. The president himself couldn't believe it:

"They arrested a fucking pumpkin?! I don't believe it!"

How could such a dark smudge be wiped clean from our image? We will continue to keep you informed as this case unfolds.



Jack OE Lantern...in big, big, major-league trouble

ToiKE Oike

PRESENTS:

THE DRAW YOUR PROF CONTEST

WIN A BOX OF
YOUR FAVORITE beVerAGE

RULES:

MUST SUBMIT PROF'S NAME

MUST BE AN ENGINEERING PROF

DEADLINE: NOV. 19, 1993

IN TOIKE-OIKE BOX

BOOK REVIEW

Dr. Inid Kash; Sam and I: A Psychoanalytical Perspective on Seuss' Green Eggs and Ham, Random Home Publishers, Cloth, 318 pages, \$29.95.

by Gerard Torenvliet, IND 9T6

In Sam I Am: A Psychoanalytical Perspective on Seuss' Green Eggs and Ham, Dr. Kash has finally published his life long research into the psychological intricacies of Dr. Seuss' landmark work, Green Eggs and Ham. At first glance this book looks like just another pedestrian foray into the underlying themes of Seuss' work, however, Dr. Kash's book is distinguished as a delightful exception from the rule.

The main question that this book probes is, "If Sam didn't like green eggs and ham, why did he debate at length instead of directly choosing something else from the menu?" Dr. Kash has theorized that Sam could easily have chosen a different breakfast, however, his Freudian id, ego, and super ego prevented him from doing so. Dr. Kash examines his theory by use of several different positions, including: Sam's objections to eating green eggs and ham, Sam's reasons for debating instead of quickly sating his hunger with another menu item, and what items were on the menu in the first place. The first position is particularly interesting as Dr. Kash probes Sam's objections with an in depth study of Sam's probable Oedipus complex.

With its compelling story line, vibrant illustrations, and large print, Sam I Am: A Psychoanalytical Perspective on Seuss' Green Eggs and Ham is a book that any child would enjoy. Yet the underlying psychoanalysis pierces deep enough to make this a must read for even the most erudite scholar. If you enjoyed Dr. Kash's series of mathematical texts, Complex Binary Algorithms for the Complete Idiot, then Sam I Am: A Psychoanalytical Perspective on Seuss' Green Eggs and Ham is for you!

Dr. Kash can be contacted for comment at his work at his office in Victoria College.

Even MORE Joikes

25 THINGS TO DO DURING AN EXAM IF YOU KNOW YOU WILL FAIL ANYWAY

1. Bring a pillow. Fall asleep (or pretend to) until the last 15 minutes. Wake up, say "Oh jeez, better get cracking" and do some gibberish work. Turn it in a few minutes early.

2. If it is a math/science exam, answer in essay form. If it is long answer/essay form answer with numbers and symbols. Be creative; use the integral symbol.

3. Bring cheerleaders.

4. Walk in, get the exam, sit down. About five minutes into it, loudly say to the instructor, "I don't understand any of this! I've been to every lecture all semester long and I've done all the problem sets! What's the deal? And who the hell are you? And where's the regular prof?"

5. Fifteen minutes into the exam, stand up, rip up all the papers into very small pieces, throw them up into the air and yell out "MERRY CHRISTMAS!" If you're really daring, ask for another copy of the exam. Say you lost the first one. Repeat this process every fifteen minutes.

6. Do the exam in crayon, paint and fluorescent markers.

7. Come to your exam wearing slippers, a towel on your head and nothing else.

8. Do the entire exam in another language. If you don't know one, make one up! For math exams try using roman numerals.

9. Every five minutes collect all your things, move to another seat, and continue with the exam.

10. Do the entire exam as if it was a multiple choice and true/false. If it is a multiple choice exam, spell out interesting things like DCCAB, BABE, etc...

11. Get the exam. Twenty minutes into it, throw your papers down violently, scream "Fuck this!" and storm out of the room triumphantly.

12. Show up completely drunk. (Completely drunk means that at some point during the exam you start crying for mommy.)

13. Every now and then, clap twice rapidly. If the instructor asks why you are doing this, tell the instructor a derogatory term, "the light bulb that goes on above my head is hooked up to a clapper."

14. Bring a water pistol / super soaker to the exam with you.

15. From the moment the exam begins, hum the theme to Jeopardy. Ignore the instructor's requests for you to stop. If you are asked to stop, say "it helps me think." Bring a copy of the Frosh Handbook with you and challenge the instructor to find the section on no humming during the finals.

16. Start a brawl in the middle of the exam.

17. If the exam is a math exam, make up the longest proofs you can

possibly think of. Get pi, e, and imaginary numbers into all your equations. If it isn't a math exam, relate everything to your life story.

18. Bring a friend to give you a back massage throughout the entire exam. Insist this person is needed because you have bad circulation.

19. Bring aid sheets FOR ANOTHER CLASS. Make sure this is obvious...like history notes for a calculus exam. (Otherwise you're not just failing, you'll be getting kicked out, too) and staple them to the exam with the comment, "Please use attached notes for reference as you see fit."

20. Bring balloons, blow them up, start throwing them around like they do before concerts start.

21. Try to get people in the room to do the wave.

22. Play Frisbee with a friend at the other side of the room.

23. Bring some large, cumbersome, heavy idol. Place it next to you. Pray to it often. Consider it a small sacrifice.

24. Complete the exam with everything you write being backwards at a 45 degree angle.

25. Answer the exam with the "Top Ten Reasons Why Professor _____ Sucks."

Stolen from E.R.T.W.


The Female Artsy to the Male Engineer:

Tell me why the stars do shine;
Tell me why the ivy twines;
Tell me why the skies are blue;
And I will tell you why I love you.

The Male Engineer to the Female Artsy:

Nuclear Fuslon makes stars to shine;
Tropisms make the ivy twine;
Rayleigh scattering makes skies so blue;
Testicular hormones is why I love you.

This has been a poetic foray into the lives of both engineers and artsies...ah another epic tale by Fatima Kim, CIV 9T6.



Literate?
Illiterate?
Competent?
Incompetent?
Serioous?
Funny?
The TOIKE wants YOU!

Next Make-up meeting is on Thursday, Nov 11 at 5:00pm in ENG SOC

Goodies will be served

PS:



It Happened One Day

RE:POLICY#OHB06/0786

Dear Sirs:

I am writing in response to your request for additional information in Block #3 of the accident reporting form. I put "Poor Planning" as the cause of my accident. You said in your letter that I should explain more fully and I trust that the following details will be sufficient.

I am a bricklayer by trade. On the day of the accident, I was working alone on the roof of a new six storey building. When I completed my work, I discovered that I had about 500 pounds of brick left over. Rather than carry them down by hand, I decided to lower them in a barrel by using a pulley which, fortunately, was attached to the side of the building at the sixth floor.

Securing the rope at ground level, I went up to the roof, swung the barrel out and loaded the bricks into it. Then I went down to ground and untied the rope, holding it tightly to ensure a slow descent of the 500 pounds of bricks.

You will note in Block #11 of the accident reporting form that my weight is 135 pounds.

Due to my surprise at being jerked off the ground so suddenly, I lost my presence of mind, and forgot to let go of the rope. Needless to say, I proceeded at a rather rapid rate up the side of the building.

In the vicinity of the third floor, I met the barrel which was now proceeding in a downward direction at an equally impressive rate of speed. This explains the fractured skull, the minor abrasions and the broken collarbone, as listed in Section 3 of the accident reporting form.

Slowed only slightly, I continued my rapid ascent, not stopping until the fingers of my right hand were two knuckles deep in pulley, which I mentioned in paragraph #2 of this correspondence.

Fortunately, by this time I had regained my presence of mind and was able to hold on tightly to the rope, in spite of the excruciating pain I was now beginning to experience.

Approximately the same time, however, the barrel of bricks hit the ground

and the bottom fell out of the barrel. Now, devoid of the weight of the bricks, the barrel weighed approximately 50 pounds.

I refer you again to my weight in Block #11. As you might imagine, I began a rapid descent down the side of the building.

In the vicinity of the third floor, I met the barrel coming up. This accounts for the two fractured ankles, broken toe, and several lacerations of my legs and lower body.

Here, my luck seemed to change slightly. The encounter with the barrel seemed to slow me enough to lessen my injuries when I fell into the pile of bricks and, fortunately, only three vertebrae were cracked.

I am sorry to report, however, that as I lay there on the pile of bricks in pain, unable to move and watching the empty barrel six stories above me, I again lost my composure and presence of mind and let go of the rope.

Sincerely,
A Ryerson Civil Engineering student

EXAM SCHEDULE CONTINUED

C	CSC181F	INT. TO COMP. PROGRAM.	TUE. DEC. 14, 1993	9:30 A.M.	CSC181F	C	IND413F	DECISION ANALYSIS	FRI. DEC. 10, 1993	9:30 A.M.	IND413F	
C	CSC326F	PROGRAMMIN. LANGUAGES	THR. DEC. 16, 1993	2:00 P.M.	CSC326F	C	IND415F	PRODUCTION SYSTEMS	MON. DEC. 13, 1993	2:00 P.M.	IND415F	
C	CSC382F	NUMERICAL METHODS	WED. DEC. 08, 1993	2:00 P.M.	CSC382F	C	IND416F	SCHEDULING & CONTROL	MON. DEC. 20, 1993	2:00 P.M.	IND416F	D
X	CSC470F	COMP. SYS. MODEL. & ANA	MON. DEC. 20, 1993	2:00 P.M.	CSC470F	X	C IND417F	STOCHASTIC MODELS	WED. DEC. 15, 1993	9:30 A.M.	IND417F	C
C	ECB212F	CIRCUIT THEORY	WED. DEC. 08, 1993	9:30 A.M.	ECB212F	C	X IND424F	DES. OF NUM-MACH SYS.	WED. DEC. 08, 1993	2:00 P.M.	IND424F	X
D	ECB241F	DIGITAL SYSTEMS	MON. DEC. 13, 1993	2:00 P.M.	ECB241F	D	C IND425F	DYNAMICS OF IND. SYS.	THR. DEC. 16, 1993	2:00 P.M.	IND425F	C
D	ECB250F	ELECTRIC CIRCUITS	WED. DEC. 08, 1993	2:00 P.M.	ECB250F		JTC413F	HYDROMETALLURGY	MON. DEC. 20, 1993	2:00 P.M.	JTC413F	
D	ECB273F	ELECT. CIR. & ENER. CON	FRI. DEC. 17, 1993	9:30 A.M.	ECB273F	D	C JVM209F	ENGINEERING MATERIAL	FRI. DEC. 17, 1993	9:30 A.M.	JVM209F	C
X	ECB310F	SYST. & SIGNAL ANAL. A	THR. DEC. 09, 1993	2:00 P.M.	ECB310F	X	MAT186F	CALCULUS 1	WED. DEC. 08, 1993	9:30 A.M.	MAT186F	
D	ECB320F	FIELDS AND WAVES	TNR. DEC. 16, 1993	2:00 P.M.	ECB320F		MAT188F	LINEAR ALGEBRA	MON. DEC. 20, 1993	9:30 A.M.	MAT188F	
C	ECB330F	SEMICONDUCT. PHYSICS	TUE. DEC. 21, 1993	2:00 P.M.	ECB330F	C	MAT194F	CALCULUS 1	WED. DEC. 08, 1993	2:00 P.M.	MAT194F	
C	ECB334F	DIGITAL ELECTRONICS	TUE. DEC. 14, 1993	2:00 P.M.	ECB334F	C	MAT280F	CALCULUS	MON. DEC. 13, 1993	9:30 A.M.	MAT280F	
X	ECB341F	COMPUTER ORGANIZ.	MON. DEC. 20, 1993	2:00 P.M.	ECB341F	X	MAT290F	ENG. MATHEMATICS I	FRI. DEC. 10, 1993	2:00 P.M.	MAT290F	
C	ECB350F	PHYSICAL ELECTRONICS	TUE. DEC. 21, 1993	9:30 A.M.	ECB350F	C	MAT291F	CALCULUS III	TUE. DEC. 21, 1993	2:00 P.M.	MAT291F	
C	ECB353F	COMPUTER ORGANIZA. I	FRI. DEC. 10, 1993	2:00 P.M.	ECB353F		MAT293F	CALCULUS	MON. DEC. 20, 1993	2:00 P.M.	MAT293F	
C	ECB354F	ELECTRONIC CIRCUITS	TUE. DEC. 14, 1993	9:30 A.M.	ECB354F	C	MEC200F	ENG. DESIGN & GRAPHIC	THR. DEC. 09, 1993	9:30 A.M.	MEC200F	
C	ECB355F	SYST. & SIGNAL ANAL. I	TNR. DEC. 16, 1993	2:00 P.M.	ECB355F		MEC210F	MECHANICS OF SOLID I	TUE. DEC. 14, 1993	2:00 P.M.	MEC210F	
C	ECB410F	CONTROL SYSTEMS I	FRI. DEC. 10, 1993	9:30 A.M.	ECB410F	C	C MEC240F	STAT. QUALITY & MEAS.	MON. DEC. 20, 1993	9:30 A.M.	MEC240F	C
C	ECB413F	POWER SYSTEM ANAL.	TUE. DEC. 14, 1993	9:30 A.M.	ECB413F		MEC242F	ENGINEERING ANALYS. I	MON. DEC. 13, 1993	2:00 P.M.	MEC242F	
D	ECB416F	COMMUNICATION SYSTEM	MON. DEC. 13, 1993	9:30 A.M.	ECB416F	D	C MEC271F	FLUID MECHANICS	WED. DEC. 08, 1993	2:00 P.M.	MEC271F	C
D	ECB424F	MICROWAVES	TNR. DEC. 16, 1993	9:30 A.M.	ECB424F		X MEC304F	MACHINE DESIGN	TNR. DEC. 09, 1993	9:30 A.M.	MEC304F	
D	ECB426F	MODERN OPTICS	FRI. DEC. 17, 1993	2:00 P.M.	ECB426F		C MEC312F	MECN. OF SOLIDS II	FRI. DEC. 17, 1993	2:00 P.M.	MEC312F	C
D	ECB443F	CON. PRGM. & OPER. SYST	MON. DEC. 20, 1993	2:00 P.M.	ECB443F	D	C MEC316F	SOLID MECHANICS	FRI. DEC. 17, 1993	2:00 P.M.	MEC316F	C
D	ECB444F	SOFTWARE ENGINEERING	WED. DEC. 08, 1993	2:00 P.M.	ECB444F	D	D MEC364F	NUMERICAL METHODS II	FRI. DEC. 10, 1993	2:00 P.M.	MEC364F	D
D	ECB445F	BIOELECTRICITY	FRI. DEC. 10, 1993	2:00 P.M.	ECB445F		C MEC365F	METROLOGY	MON. DEC. 20, 1993	9:30 A.M.	MEC365F	C
D	ECB446F	ELECTROACOUSTICS	TUE. DEC. 21, 1993	9:30 A.M.	ECB446F		MEC370F	CONTROL SYSTEMS	MON. DEC. 20, 1993	2:00 P.M.	MEC370F	
D	ECB471F	INSTRUMENTATION DES.	FRI. DEC. 10, 1993	2:00 P.M.	ECB471F	D	D MEC400F	COMP. AID. GRAPN. & DES.	WED. DEC. 15, 1993	2:00 P.M.	MEC400F	D
D	ECES12F	ANALOG FILTERS	WED. DEC. 08, 1993	9:30 A.M.	ECES12F	D	D MEC428F	ENERGY CONVERSION	WED. DEC. 08, 1993	2:00 P.M.	MEC428F	D
D	ECES30F	ANALOG CIRCUITS	WED. DEC. 08, 1993	9:30 A.M.	ECES30F	D	D MEC431F	NEAT & MASS TRANSFER	MON. DEC. 13, 1993	9:30 A.M.	MEC431F	D
D	ECES33F	POWER ELECTRONICS	FRI. DEC. 17, 1993	9:30 A.M.	ECES33F		C MEC455F	CONTROL SYSTEMS I	FRI. DEC. 17, 1993	9:30 A.M.	MEC455F	
C	ECES55F	SEMICONDUCTOR DEVICE	WED. DEC. 15, 1993	2:00 P.M.	ECES55F	X	MEC477F	AUTO. MANUFACTURING	TNR. DEC. 09, 1993	9:30 A.M.	MEC477F	X
C	ECES57F	SYSTEMS CONTROL	MON. DEC. 20, 1993	9:30 A.M.	ECES57F	C	MEC502F	IND. MAT. HANDLING SYS	FRI. DEC. 10, 1993	9:30 A.M.	MEC502F	
X	ENG182F	COMP. ORGANIZATION II	WED. DEC. 15, 1993	9:30 A.M.	ENG182F	X	MMS201F	MICROSTRUCTURAL SCI.	FRI. DEC. 17, 1993	9:30 A.M.	MMS201F	
D	ENG283F	EFFECT. TCEN. WRITING	WED. DEC. 15, 1993	9:30 A.M.	ENG182F		C MMS202F	THERMODYNAMICS	FRI. DEC. 10, 1993	9:30 A.M.	MMS202F	C
D	ENG283F	CANADIAN LITERATURE	TUE. DEC. 14, 1993	2:00 P.M.	ENG283F	D	MMS222F	MAT. SCI. & ENGINEER.	TUE. DEC. 21, 1993	2:00 P.M.	MMS222F	
D	ENG286F	VARIETIES OF FICTION	TUE. DEC. 14, 1993	2:00 P.M.	ENG286F		MMS302F	ELECTROCHEM. & CORRO.	WED. DEC. 15, 1993	9:30 A.M.	MMS302F	
D	ENG286F	LITERATURE & SCI. I	TUE. DEC. 14, 1993	2:00 P.M.	ENG286F	D	D MMS326F	PROC. & QUALITY CONT.	FRI. DEC. 17, 1993	9:30 A.M.	MMS326F	D
D	ENG495F	ENGINEERING COMMUN.	TUE. DEC. 21, 1993	2:00 P.M.	ENG495F		MMS415F	MINERAL SEPARATION	WED. DEC. 15, 1993	9:30 A.M.	MMS415F	
FRE186F	NON-ARTS FRENCH I	FRI. DEC. 17, 1993	2:00 P.M.	FRE186F		MMS420F	BIOMATERIALS	WED. DEC. 08, 1993	2:00 P.M.	MMS420F		
GE0360F	MINE MANAGEMENT	FRI. DEC. 17, 1993	9:30 A.M.	GE0360F		MMS433F	METAL FORMING OFS.	FRI. DEC. 17, 1993	9:30 A.M.	MMS433F		
GE0410F	HYDRO. EXPLOR. & RECO.	TUE. DEC. 21, 1993	2:00 P.M.	GE0410F		C MMS502F	MAT. PROC. & TWE ENV.	FRI. DEC. 10, 1993	2:00 P.M.	MMS502F	C	
HP5280F	HISTORY OF SCIENCE	WED. DEC. 15, 1993	2:00 P.M.	WPS280F		MMS506F	MECH. PROP. OF POLYMERS	MON. DEC. 13, 1993	9:30 A.M.	MMS506F		
D	IND208F	ALGO. & NUMER. METHODS	THR. DEC. 09, 1993	2:00 P.M.	IND208F	D	PNY180F	PHYSICS I-MECHANICS	THR. DEC. 16, 1993	9:30 A.M.	PNY180F	
D	IND216F	INTRO. ERGONOMICS ENG	THR. DEC. 16, 1993	9:30 A.M.	IND216F		PNY280F	PHY 3-FIELDS & WAVES	TUE. DEC. 21, 1993	9:30 A.M.	PNY280F	
D	IND306F	APP STATISTICAL ANAL	WED. DEC. 15, 1993	9:30 A.M.	IND306F		D PNY385F	VIB. WAVES&THERM. PNY	THR. DEC. 09, 1993	2:00 P.M.	PNY385F	D
C	IND318F	SYSTEM SIMULATION	TUE. DEC. 21, 1993	2:00 P.M.	IND318F	C						
D	IND370F	ENGIN. ECO. ANALYSIS	MON. DEC. 13, 1993	9:30 A.M.	IND370F	D						

MODEM Q & A PART 3

Line Noise During the File Transfer

For years people used to state that 2400 bps was as fast as DIAL UP phone lines could handle and that we would never go beyond that rate due to the low bandwidth and high noise levels of telephone lines. Then comes along people like US Robotics and Hayes and many others who make high speed modems practical even on dial up lines.

Well, line noise is NOT a thing of the past, lost and forgotten. It is still with us. These new modems are not magic either. They manage to HIDE the line noise and in some cases are able to filter it out or even through special encoding cancel some of the line noise. But it is still there.

When line noise occurs during a file transfer between two modems which have established an error correction session the only TANGIBLE EVIDENCE of this line noise may very well be SLOW FILE TRANSFERS and nothing else.

The USR HST modem has a light on the front panel labelled ARQ. Depending on which modem may have to recover from the line noise by re-sending its data you may see the ARQ light flash perhaps randomly, sometimes very quickly to

Indicate that it is having to retransmit the data. Most modems give no indication at all that extra work is being required of the modem. Some modems eventually give up and just drop the carrier completely.

Some modems give you information as to how many times packets of data had to be retransmitted which may give you some clue as to how noisy the line may have been.

Inability to Compress ZIP Files

If you find that downloading ASCII files produces OUTSTANDING file transfers but that downloading ZIP files cuts file transfer CPS rates 25% or more off of your expected throughput then very likely you have turned on what is called "data compression".

If you've ever tried to use PKZIP to zip a .ZIP file you usually find that PKZIP will decide to just "store" the file rather than "shrink" or "implode" the file. Why? Because in its attempt to shrink the file it actually causes the file to GROW in size! Quite the opposite of the desired effect.

The same exact thing happens when you try to use your modem's built-in data compression capability on a file that is already compressed. The modem's compression algorithm actually causes the data to GROW (i.e. it sends more

bytes out over the phone line than are coming into the modem) which slows the file transfer.

PCBoard's modem configuration program, called PCBModem, is generally set up to turn data compression ON by default! Why? You ask? because it is generally believed that it should be up to the CALLER to decide if he wants to take advantage of the data compression capabilities of his modem. If PCBModem were to turn data compression OFF then "nobody" calling your system would get data compression. Leaving it enabled allows the caller to make the choice.

However, many sysops like to use the same high speed modem that they set up for use with PCBBoard to dial out to other systems. What they are forgetting is that PCBModem has turned data compression ON and they go right ahead and try to download a ZIP file.

Our recommendation is this: Leave data compression turned on when the BBS is up and running but turn data compression off when dialing out (assuming you are planning to download ZIP files).

The "high tech" solution to the problem is to upgrade your modem to the v.42bis standard. In theory, like PKZIP, v.42bis data compression will detect when it is making the data grow and turn itself off so that the data is sent out un-compressed similar to PKZIP's simple "storing" of zip files. Again, in theory, that means that you can leave data compression turned on all the time and never have to worry about slow transfers of pre-compressed files.

Flow Control Problems

For high speed file transfers to work you generally want to open your port speed (the speed that your PC talks to your Modem) at a rate that is faster than the line speed (the speed that your Modem talks to the other Modem).

his is somewhat akin to squeezing a bottle to make the liquid come out faster than if you just poured it out directly. If the data is sent to the modem at 9600 bps then the fastest over-the-phone-line rate will be 9600 bps. By sending data to the modem faster than the over-the-line rate you give the modem time to work on packetizing the data (this is where the 20% increase in speed comes from) and possibly even compressing the data (if compression is turned on and the data is not already compressed).

Next month: the final installment differences between transfer protocols.

DRAGONSHIP AT SKULE™

to the land of Skule™ that they would be returning! No, it was decided that Skule™ spirit would be spread across the land! With this in mind, the crew of the Dragonship rode the tide back to SAC and raided it in one fell swoop, letting it be known that Skule™ spirit would be the rule of the day!

After the raid at SAC (which didn't take long, as there were no warriors of spirit there), the Dragonship once again set out upon the Sea of Campus. However, once past the already subjugated Isle of Front Campus, the ship sailed up the Straight of St. George. The going was not easy. Through the Straight, there was a constant battle against the Tides of Traffic and the overhanging wires from some long dead ambush-at-sea. Once free of the wires, the Dragonship was finally in sight of Fort Devonshire. It had been decided that the greatest place for a battle for Skule™ spirit would be the land of Varsity, at Castle Stadium, where that land's finest warriors, the Blues, also battled in defense of spirit. Thus it was that once past Fort Devonshire, the captain of the Dragonship led a small skirmish group to open the sea-gates of Castle Stadium. After a swift battle with the dreaded Minions of Bureaucracy, the gate was opened and the Dragonship sailed in unopposed. Once inside, it was a quick, decisive victory, with the L.G.M.B. taking their rightful place at the highest point in the land, from where they could sing the great ballads of Skule™ and be heard everywhere. The Blues also won their battle, but the day belonged to Skule™.

The Dragonship sailed back to Port Sandford Fleming in victory, there to lie at anchor until next year's quest.

(Thanks for coming out: Christine G., Samia, Nick, Ken, Chris H., Andrew, Dennis, Sylvia, Dave, Bogdan, Karen, Jim, Chris B., Ashok, Ivan, Herbie, Sarkas, Walter, The LGMB and anyone else I may have forgotten (my apologies). We proved Skule™ rules!

MESSAGE IN A BOX

by: Henry N. Pedro CHEM 9T4+P

The Complete Recordings, The Police
CD box set
A&M Records: 3154-0150-2
Price: \$69.95 + tax



Sting, Andy Summers, Stewart Copeland. To any Police fan, these names are almost household words. From their first album, *Outlandos D'Amour* until their last album, *Synchronicity*, 1979 until 1983.

Not a lot of time, but in the band's short life they achieved superstardom and then its members went their separate ways. Sting has enjoyed the most illustrious post-Police career, and is considered by many to be one of the twentieth century's premier songwriters. Stewart Copeland, the drummer formed a band with jazz great Stanley Clarke, and former country singer Deborah Holland, called *Animal Logic*, which has enjoyed limited success. Andy Summers did a bit of solo work and released six albums.

If you are a Police fan, then this is the set you should not be without, because it contains literally everything that the Police ever recorded in the studio and some live material to boot. This includes everything from their first do-it-yourself demo tape/single, *Fallout* to the 1986 remake of *Don't Stand So Close to Me*.

The four CDs are packaged in a handsome bound hardcover case that opens like a book to reveal the first two discs in the left inside cover, followed

by a 68 page booklet. The last two discs are in the inside back cover of the 'book'. The layout of the songs is chronological across four compact discs, and even preserves the order in which the songs appeared on the various albums.

Recordings range from muddy to superb, and the remastering process hasn't degraded the recordings much at all. On some of the later tracks, the vocals seem to be a bit washed out and some of the low frequencies are a bit exaggerated, but the sound is nearly equal to that of their respective re-releases.

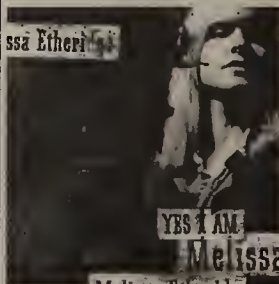
This detail distresses me a little, because some extra production work could have been done to improve the overall quality of the recordings. After all, we are paying over eighty bucks with tax to have this set. Jimmy Page did it for the Zeppelin re-releases, now why couldn't A&M?

Still, this is a must-have item for the Police fan. The quintessential Police anthology.

YES I AM

by: Henry N. Pedro CHEM 9T4+P
Melissa Etheridge
Island Records: 422-848 660-2
Price: \$14.99 + tax

Performance: Lots of adrenaline
Recording: Very Good



If you are a Melissa Etheridge fan, then you probably have been anticipating this release for some time. Well, here it is.

With twelve string guitar in hand, Melissa Etheridge takes the listener for a ten song adventure through midwestern blue collar work on the assembly line problems and dusty books full of dreams.

She has always had a knack for this sort of thing, and the latest offering, *Yes I Am*, is no exception to the rule. "She don't owe nobody nothin' / And she ain't on the street / But these drinks are getting heavy / And these tips are getting weak"

Or how about: "My mind's a burnin' hell / I got razors a-burnin' and tearin' and strippin' / My heart apart as well"

Could we call her the Bruce Springsteen of the nineties? Well, maybe not, but the album does have some pretty good performances, although they should be, like most of Melissa Etheridge's offerings, way better live.

The album is good, but I can't wait for the tour to go through town.

MOXY FRUVOUS: FROM BASKING TO BUSKING

by Aviv Gladman and James Domine, NY's 9T4

Three years ago David Matheson, Jean Ghomeshi, Murray Foster, and Michael Ford were four university students busking the streets of downtown Toronto for spare change. With a lot of energy, and a distinctly Canadian a cappella repertoire, "Moxxy Frúvous," as they called themselves, provided a unique performance that included rap, folk, soca, impromptu theatrics, comedy, political satire, bad choreography, the occasional dirge, and a lot of shouting.

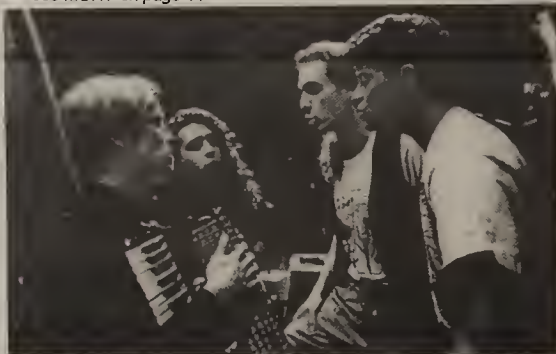
Their first big break came when a CBC radio executive spotted them on the street in the fall of 1990. Impressed with Moxxy's propensity for political satire, the CBC commissioned the band to write what eventually added up to twenty-five satirical songs, on a variety of topics and current events. In the summer of 1991, Moxxy Frúvous left the busking scene and moved indoors, playing to large crowds in local clubs and music halls. In early 1992, the group released their first independent six-song cassette, called (not surprisingly) "Moxxy Frúvous." It included such classic Frúvous songs as "King of Spain," and a rap rendition of Dr. Seuss children's tale, "Green Eggs and Ham." The cassette quickly rose to the #1 position on the Canadian independent charts and remained there for a year. By the summer of 1992 it had entered the national charts, and the band found themselves opening for groups including Bryan Adams and Bob Dylan. Later that year, Moxxy Frúvous signed a five album deal with Warner Music Canada. The first release, an album entitled "Bargainville," was released earlier this year. It contains re-mixes of previous songs as well as many new additions.

Tolke reporters caught the band on tour during the first of their two Toronto performances (they are presently on a 50 date Canadian tour). Ironically, Moxxy refused press interviews in the city that spawned them. The Toronto concerts were held October 1st and 2nd at the Danforth Music Hall (promotions arranged by MCA Concerts). Opening for the band was Jan Arden, who was received enthusiastically by the crowd. Her music was enjoyable but a bit slow for a concert opener, being better suited for a quiet bar setting. Moxxy came on after Arden, to the thunderous applause of their screaming fans.

Overa:, the concert seemed to be a series of political statements with music sporadically dispersed in between. The band made their

political views quite obvious, including a scathing slam of Pizza Pizza that would have had franchise owners screaming for their lawyers (not repeated here in the interests of avoiding a libel suit). A five minute speech condemning the excessive attention given to the deficit during the election campaign

- see MOXY on page 11



The Engineering

Skule Stage Band and Combo

Plays at

Jazz at Oscars

Friday, November 19, 1993 - 8:00PM
The Arbour Room - Hart House

Be There!

ALL YOU EVER WANTED TO KNOW ABOUT THE ENGINEERING COMPUTING FACILITY BUT WERE NEVER TOLD EXCEPT WHEN YOU BUGGED SOMEONE ELSE WHO KNEW

Here you will finally be educated on the really useful things that your computer prof never bothered to teach you. This will be broken down in to three categories: (1) Setting up your display; (2) Getting those Damn Fine Graphics from the news network; (3) Viewing those Damn Fine Graphics.

SETTING UP YOUR DISPLAY

There should be a file in your root directory called `.myxsession`: this is called a dotfile because of the leading period. To list all dotfiles type `ls` (for more information on `ls` or any other command type `man [command]` for a manual). This file is where all your environment settings should be located. Here is a procedure for getting a clock:

- i. `xedit .myxsession` enter the editor to change the `.myxsession` file
- ii. `xclock` go to the end and insert this command

Save the file and then logout and log back in. A clock with disgusting colours should appear in the top right corner of the screen. You can change the colours, size and location by specifying certain options after the `xclock` command:

```
xclock bw [background colour] fg [foreground] hd [hands] geometry 100x50-100+50.
```

The geometry specifies the size 100x50 and location 100 from right and 50 from top. There are other features such as a mailbox and calendar; these accessories are installed in exactly the same manner and the parameters are listed in the manual entries under `xbiff` and `xcalendar`.

GETTING THOSE DAMN FINE GRAPHICS

The news network contains thousands of special interest groups (sig) of all kinds. Just type `rn` to access the network. For first timers, it will create a file called `.newsrsc` which is the resource file containing all the sigs you are subscribed to. Initially it will only contain one group which you are automatically assigned. To add other groups type `a`: a word. The `a` is to add groups that contain the word `yword` in their names. To subscribe to all the user groups that contain pictures, type `a pictures` and it will go one by one through all the selected groups and you then decide whether or not you want it by typing `y` or `n`. Once you have selected all the groups that you want, you can begin to read the articles that each sig contains. The graphics images are split into two or more articles labeled 1 of 4 through 4 of 4 or something like that. They must be extracted into a bitmap form. To do this, simply read the article 1 of 4, type `e` and then enter. The article will be extracted into the directory `~/News`. Do this for all the parts making sure that

you do it in the proper order. Sometimes the articles are posted out of order and you have to hunt them down. There are easier ways to do this and there is even a program that does it all for you but that is another story. Read the help manual for `rn` and it should help you out.

VIEWING THOSE "DAMN FINE" GRAPHICS

Now you've got all these graphics files in the News directory and you want to take a gander. There is a program called `Xview` that displays graphics images in the GIFF and JPEG formats: these files have extensions like `.gif`, `.GIF`, `.jpg` or `.JPG`. Files with other extensions (`.mpg`, `.gl`) are animation files and can only be viewed with a proper viewer that is also another story. Type in `xv` and the `xview` window will come up. Go into the window and hit the third mouse button and the menu window will come up. Here all the editing and special functions are located. Hit the load button and the load menu will come up. Go into the News directory by hitting the directory box. All the files in that directory should appear in the file window. To view any one of them, just highlight and hit OK or doubleclick. The image window will display some funky stuff and then the Damn Fine Graphic will appear which you can play around with. Well, that's all there is to it. The next article (if requested by popular demand) will include topics such as ftp

(file transfer protocol) sites where you can get and receive files of any sort from anywhere in the world, or your buddy's account so you can cheat. It will also contain information on animation viewers and tips and shortcuts for what was in this article. Got a problem? Want me to discuss something? Drop a message in the Toike mail box.

*** WARNING ***

The author does not bear any responsibility whatsoever for misuse and/or any misconduct of the computer system brought on by anyone implementing the aforementioned techniques. Any penalties or other actions taken by the department against certain individuals is the sole responsibility of that individual.

I AM NOT LIABLE FOR ANYTHING YOU IDIOTS DO. SO DON'T TAKE UP MEGABYTES OF DISK SPACE FOR GRAPHIC IMAGES. IF YOU EXCEED YOUR QUOTA, APPROPRIATE ACTIONS WILL BE TAKEN. DO NOT PREVENT OTHER STUDENTS FROM DOING LEGITIMATE WORK BY VIEWING IMAGES ALL DAY. (XV USES LOTS OF SYSTEM RESOURCES, SO BE CONSIDERATE!)

Go, run free for I have given you the knowledge but be aware of the dangers of a little knowledge. Sandy CHEM 9T4

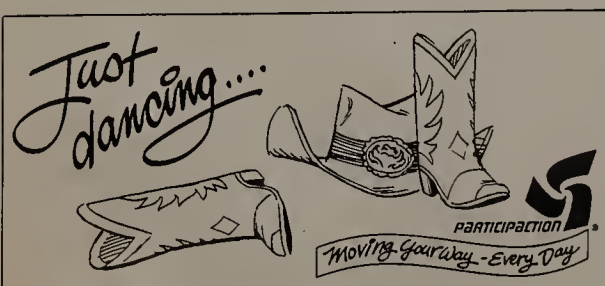
MOXY FRÜVOUS ...

was all but lost on the audience, most of whom were too young to vote anyhow. The political innuendos weren't the only ones lost on the crowd, who seemed to have an average age of about fourteen. References to the sixties, the Toronto bar scene, and current events left a lot of blank looks on fans' faces.

To do Moxy credit, the concert was a good time. The music was quite good, with a lot of really humorous lyrics and strong harmonies. The band borrowed liberally from artists including The Doors, U2, Abba, and those two French guys that wrote Les Mis. In addition to their previously recorded songs were several new titles including an abso-

lutely hilarious song about recycling and an equally entertaining tune about kids. Highlights of the show included a grung rock rendition of 'King of Spain,' a U2 intro to Green Eggs and Ham ("This is not a rebel song, this is Green Eggs and Ham"), and an inspiring performance of The Gulf War Song - an a cappella four-part harmony - without microphones (it was so quiet, you could hear a pin drop).

All in all, it was a good show and definitely worth seeing. Moxy Früvous has an energy to their performances that is refreshing. Although, at \$23.00 a ticket, you might consider just getting the CD instead.



AUDITIONS



Nov. 8 7:15 - 11:00 pm
Nov. 10 SF-4102

Nov. 16 6:15 - 10:00 pm
Nov. 18 SF-1013

For more information please call Julie in the Engineering Society at 978-2917 or Andrew Scott (director) at 469-2515

SKULE NITE 9T4

THESIS EMOTIONS

AS DEMONSTRATED BY ORGO JOE, A CHEM. ENG.

